

Category:IOOS_DIF

UPDATE: The IOOS Data Integration Framework was a pilot project that ran from 2007 through 2010. While many of the technologies investigated during the DIF persist today, the pilot project is formally over. References to the DIF shouldn't dictate or influence policy for IOOS data providers or regional associations today.

The DIF is a set of components and standards that will facilitate more efficient transfer of data products from a varied set of data providers to a number of data customers? models and analysis tools. Data providers collect observational data from various platforms and sensors, assemble and process these data, and provide various output data products. The DIF may also collect and integrate data from selected models and forecasting systems as required by individual customers.

The concept of the DIF is to allow the NOAA customers to more easily and efficiently access oceanographic data from the data providers for input into their modeling and analysis systems. The goal of the DIF is to provide these customers with a uniform set of methods to access to the multiple data sets that they ingest, and to make these data sets available in standardized formats. This will be done through the selection, specialization, application and testing of data content, data transport, metadata and quality standards. These standards are intended to be used by DIF data providers to formalize a common data sharing infrastructure.